AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE 1 OF PAGES 3

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
0002	February 8, 2000		NAS Meridian

6. ISSUED BY CODE	SP0600	7. ADMINISTERED BY *(If other than Item 6)* CODE	

Attn: Brenda Hall/DESC-FPB/Suite 2941
Defense Energy Support Center
8725 John J. Kingman Rd., Suite 4950
Ft. Belvoir, VA 22060-6222
Phone: 703-767-9342 Fax: 703-767-9338

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*	(X)	9A. AMENDMENT OF SOLICITATION NO.
	X	SP0600-99-R-0130
		9B. DATED *(SEE ITEM 11)* December 16, 1999
		10A. MODIFICATION OF CONTRACT/ORDER NO.
		10B. DATED *(SEE ITEM 13)*
CODE FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☒ is not extended.

Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data *(If required)*

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(X)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: *(Specify authority)* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office, appropriation date, etc).* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER *(Specify type of modification and authority)*

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

SEE ATTACHED PAGES.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER *(Type or print)*		16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*	
15B. CONTRACTOR/OFFEROR *(Signature of person authorized to sign)*	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY *(Signature of Contracting Officer)*	16C. DATE SIGNED

1. The following changes have been made to the statement of work under referenced solicitation:

- C-1.1 1, Fuel Truck Drivers/Operators, Page 6. The requirement that qualified drivers shall perform as laboratory technicians has been added.

- Figure 4, Receipts, Page 12. Grade code JP5 has been changed to JP8.

- C-2.3.3, Product Issues, Page 12. This section has been changed to show that JP8 is loaded into commercial tank trucks at the NAS Meridian fill stand for delivery to OLF Bravo Field during normal duty hours.

- C-2.7, Cryogenics Storage and Distribution Operations, Page 17 and 18. This section has been changed to show that AIMD will perform periodic maintenance while the Contractor will be responsible for inspections and cleanliness of the cryogenics system. Coveralls have also been added the list of protective gear that the Contractor shall provide its cryogenics workers.

- C-2.8, Inventory, Page 19. A line regarding the submission of documentation from OLF Bravo Field has been added.

- Figure 12, Workload Factors, Quality Assurance, Page 20. Grade code of JP5 has been changed to JP8.

- C-2.16, Property Inventory and Accountability, Page 30. A paragraph regarding the provisioning and disposition of property has been added. The third paragraph has been changed to show that the Contractor will document property received or disposed of versus simple receipts.

- C-3.2.2.1.1, Cargo Tank Capacity, Page 34. This section has been change to clarify the capacity of cargo tanks, indicates that the Contract will provide at least one (1) 5000 gallon truck, and indicates that adjustment to lading levels may be made at the time on the equipment inspection made by NAVPETOFF.

- C-4.3, Augmentation, Page 47. The term "scope" has been changed to "normal workload."

- Appendix A, Government Furnished Facilities, Page 51. The pantograph system used at NAS Meridian has been identified.

- Appendix A, Government Furnished Facilities, Page 54. The Preventive Maintenance (PM) requirements for cryogenics equipment has been identified.

- Appendix B, Government Furnished Equipment, Supplies, and Services, Page 56. The in place cryogenic sampler and non-sparking tool set has been identified.

2. The following are questions and answers pertaining to referenced solicitation.

(a) Question: There is no mention of a cryogenic sampling apparatus as part of the Government Furnished Equipment although there is one assigned to the facility. Was this an oversight or is it intended that Contractors should purchase a sampler? It doesn't appear to be cost effective to the Government for Contractor to purchase a sampler when there is already one available. The estimated cost of one sampler is over $15,000.00.

Answer: The intent of Section C-2.16, Property Inventory and Accountability is for the Contractor and the Government to perform a post-award inventory that will list all property provided by the Government. The government does not intend for the contractor to replace high cost items, i.e., a cryogenic-sampler, identified as GFE during the post-award inventory. However, in the case of common use items such as furniture (desks, chairs, couches, and over stuffed chairs) decorative items, and appliances (coffee machines, microwave ovens, or refrigerators) that may be provided as GFE at contract startup, the Government reserves the right to dispose of them without replacement. Should the contractor decide to replace such items, it would be at the contractor's expense and must be disposed of at contract termination. Section C-2.16 has been updated to reflect this position.

The cryogenics sampler and non-sparking tool set have been identified in Appendix B.

(b) Question: There is no mention of the furniture presently in-place at the various facilities. Is it the intent of the Government to leave the existing furniture and have the Contractor replace it in-kind as it becomes necessary or is the Contractor required to purchase furniture at start of contract and replace all existing furniture at that time?

Answer: See paragraph (a) above.

(c) Question: At the present time, Sikorsky is transporting their own liquid nitrogen cart to OLF Bravo Field and Public Works is transporting the liquid oxygen cart. The reasons for this have not been determined, however, if Sikorsky has the capability to transport a liquid nitrogen cart, why can't they transport the LOX? It appears the Government may be requiring another Contractor to do work and pay for it when it could probably be done by the using Contractor. Please clarify.

Answer: NAS Meridian has reiterated that the transportation of the LOX cart to and from OLF Bravo will be a fuels contractor responsibility.

(d) Question: Section C-2.7, Cryogenics Storage and Distribution Operations, fifth paragraph down, identifies various maintenance requirements as Operator's; however, when referring to OPNAVINST 4790.2, the level of maintenance listed in this solicitation, i.e.: replace filters, rupture disk, and desiccant is considered "intermediate" and is accomplished at a higher level than the "Operator." Isn't this a violation of OPNAVINST 4790.2 and subjects the Contractor to possible "write-up" by higher authority? OPNAVINST 4790.2 is quite specific and requires a work request to be processed through the work control center, assigned a job order number and then be inspected by a Quality Assurance Inspector to ensure the deficiency is as stated. Work is then done and the re-inspected to ensure it is done properly. Both inspections require sign off by the inspector.

Answer: This section was revised - see attached replacement pages.

(e) Question: Based on the assumptions stated in paragraph (d) above, who should therefore purchase the repair parts for this level of work? Should it be included in the costs developed by Contractors proposing on this solicitation or is it already budgeted for at the next higher level of n-maintenance? Please clarify.

Answer: See answer to paragraph (d) above.

(f) Question: Section C 2.7, fifth paragraph, which addresses PM does not coincide with Appendix A; Government-Furnished Facilities, which identifies the frequency for PM. According to the listing on page 54 there are no PM's to be performed on the cryogenic tanks and equipment. Please clarify.

Answer: See changes to the PWS on the attached replacement pages.

(g) Question: Appendix B identifies a list of Government Equipment to be furnished to the Contractor, however, no where in the solicitation does it state who provides replacement items when these become unserviceable. Please clarify, who replaces these items.

Answer: See paragraph (a) above.

(h) Question: It was recently brought to the attention of personnel working at the cryogenics storage facility by Base Supply that all GO2/GN2 cylinders are supposed to be under the control of the Cryogenics Operations. Apparently there are some 54 cylinders at several locations throughout the base and it was stated that they belong to the cryogenics storage facility and are to be maintained by them. This should be clarified at time as it could impact costs. Please clarify.

Answer: The cryogenics section does not currently nor will they be required to pick up and deliver cylinders. Cylinders are delivered to the cryogenics area, inspected and filled by the cryogenic section, and picked up by the organization requiring the service. The contractor will operate the cryogenics section.

3. The following pages are replacement pages to the statement of work:

C-1.11 Additional Personnel Requirements

Dispatcher/Computer Operator IV. Each Fuel Management dispatcher/computer operator, hereafter referred to as a dispatcher, shall be computer literate. He/she shall posses sufficient computer skills to use client/server applications in a Microsoft Windows NT environment. Those skills shall include the ability to logon; shutdown; initiate modems; manipulate files; install applications; send and receive email, and the use web browers to send and receive information. He/she shall also be proficient in the use of Microsoft standard office products such as Word, Excel, and Powerpoint; other commercial off the shelf applications, utilities; and custom software in such a manner that daily fuel operations are effectively and efficiently conducted.

Dispatchers shall be skilled in the use of the DESC Fuels Automated System (FAS). Those skills shall include the use of the real time dispatch system, the manipulation data within the Fuel Manager system and the related fuel management modules, and the capability to analyzing hardware/software related problems so as to maintain accurate input flow, data retrieval, and output validity. In addition, dispatchers shall be knowledgeable of radio communications, instructions/ regulations pertaining to fueling and defueling of Government and civilian aircraft, and Government forms used to document aircraft fuel servicing. They must demonstrate familiarity with the layout of the base and outlying fields as well as the airfield and aircraft parking areas and restrictions applicable to servicing aircraft within those areas. Individuals acting as dispatchers, shall be capable of communicating in English, both orally and in writing.

For stations that have implemented the Fuels Automated System (FAS), the dispatcher shall be trained to maintain dispatch records under the automated FAS program. Incumbent Contractors actively using the FAS system shall continue to provide FAS qualified dispatch personnel into the new contract period. New/first time Contractors shall arrange with the Navy Petroleum Office, Code PSPC, to have dispatch personnel FAS trained and certified prior to the beginning of the contract start date. Initial FAS training of in place contract dispatch personnel and new/first time contractor personnel will be provided at Government expense. Once initial (Government) training of contract personnel has been provided, the Contractor shall, to the maximum extent possible, be responsible for the continued training of dispatch personnel within the contract organization. Additional DESC funded training of contract personnel may be made available on submission of justification to NAVPETOFF PSPC.

Fuel Truck Drivers/Operators: Fuel Truck Driver/Operators shall be qualified to perform aviation and ground fuel servicing operations (fuel servicing and defueling operations) by mobile refueler and ground fuel servicing truck. Fuel servicing operators shall pass a Contractor administered base and flightline familiarization test, practical equipment/facility competency tests, and shall be certified as qualified and appropriate training records updated prior to operating mobile fuel servicing equipment unsupervised. The Contractor shall re-certify personnel annually or as requested by the COR. Operators shall be familiar with safety regulations applicable to aviation fuel servicing, and the airfield/base, and shall demonstrate a practical knowledge of and ability to inspect and maintain fuel servicing equipment and systems. Operators shall be capable of performing basic math, shall have a working knowledge of forms, and shall be able to communicate in English, both orally and in writing.

All drivers shall be licensed in accordance with the vehicle operating laws, regulations, and code for the state in which they will operate equipment and shall be/remain in compliance with all such requirements for the duration of their employment under this contract. The Contractor shall ensure that drivers required to operate vehicles and equipment on public roads are appropriately licensed for the class of vehicle to be operated on such public roads. Driver records appropriate to the class of license an employee holds, i.e., individual Department of Motor Vehicle (DMV) driving record, and a current record of physical examination or certification shall be maintained by the Contractor and made available to the COR on request. The Contractor shall ensure that all drivers' records are kept current throughout the term of the contract.

The tasks outlined in Section C-2.0 may require special skills, training, or certifications. The Contractor shall evaluate task requirements and provide qualified personnel to complete such tasks in accordance with all applicable laws and regulations.

Refueler operators/drivers qualified as outlined below shall perform the collateral duties of laboratory technician.

Figure 4: Receipts (All Grades)

Year	Product	Mode	Number of Receipts	Total Gallons Received	Average Receipt
FY96, NAS Meridian	JP8	PL	41	19,479,181	475,102
FY97, NAS Meridian	JP8	PL	28	14,522,704	518,668
FY98, NAS Meridian	JP8	PL	36	15,429,279	528,591
FY99(1), NAS Meridian	JP8	PL	34	13,261,805	390,053
Total			96	40,320,084	420,001
FY96, OLF Bravo	JP8	TT	78	624,000	8,000
FY97, OLF Bravo	JP8	TT	25	200,000	8,000
FY98, OLF Bravo	JP8	TT	59	472,000	8,000
FY99(1), OLF Bravo	JP8	TT	59	472,000	8,000
Total			221	1,768,000	8,000
FY96, NAS Meridian	MUR	TT	Not Available	Not Available	Not Available
FY97, NAS Meridian	MUR	TT	11	92989	8454
FY98, NAS Meridian	MUR	TT	13	110257	8481
FY99, NAS Meridian	MUR	TT	10	84968	8497
Total			34	288214	8477
FY96, NAS Meridian	LS2	TT	Not Available	Not Available	Not Available
FY97, NAS Meridian	LS2	TT	8	60795	7599
FY98, NAS Meridian	LS2	TT	6	45459	7577
FY99, NAS Meridian	LS2	TT	7	53272	7610
Total			21	159526	7596

(1) Mode of receipt: PL for pipeline, TT for tank truck, for TW tank wagon, B for barge.

◊ Requirement: The Contractor shall receive and inventory all aviation fuel without causing operational delays.

- ✓ The Contractor shall immediately notify the COR of any operational discrepancies. All individual bulk deliveries of petroleum products in excess of 3,500 gallons shall be corrected to standard temperature of 60 degrees Fahrenheit in accordance with table series of the API tables.
- ✓ The Contractor shall prepare all documents required for product receipt in accordance with Section I, Clause I119.06.

➢ Minimum Performance Standards:

- ✓ No fuel spills due to Contractor negligence or misconduct.
- ✓ No Contractor caused delays during tank truck receipt operations.
- ✓ All samples taken and tests conducted in accordance with MIL-HDBK-200G and local directives.
- ✓ All documents, including post receipt inventories, complete and forwarded to fuel accounting by 0900 daily.

C-2.3.3 Product Issues

JP8 is transferred (issued) to refueler at the bulk storage facility via the fillstand system, facility 11, that is within the Centroid area approximately 1.3 miles from bulk storage. Bulk output is roughly equivalent to receipts and the subsequent transfer to OLF Bravo, issues to aircraft, GSE, and the jet engine test cell site. One of the three storage tanks shall normally be kept in the ready-to-pump (issue) mode to supply product to the fillstand system on demand. Except for scheduled maintenance and other occurrences of which the fuel dispatch center has been notified the Contractor shall maintain a tank and the fillstand system in the ready-to-issue mode.

JP8 is transferred by commercial tank truck from NAS Meridian to OLF Bravo Field. All commercial truck fills at NAS Meridian and the off-load at OLF Bravo Field are normally accomplished during the hours outlined in Figure 1.

The Contractor shall document each RECYCLABLE JP8 collection and RECYCLED JP8 issue using forms provided by the Government. Until the Fuels Automated System (FAS) is used to document/track such activities, the Contractor shall maintain a log of all collections and issues. The log, at a minimum, shall be used to record the date and time of collection or issue, identify the location from which the collected was made, and the quantity collected.

Figure 9: Recyclable Receipts

Year	Total Gallons Collected for the Year	Average Monthly Collections	Total Requests for the Year	Average Monthly Requests
FY99				
FY00				
Total				

Figure 10: Recyclable Collection Points

Location[1] (Point/area at which product is collected)	Grade[2]	Tank Cap/Character	Average Pick-	Schedule (Time, day(s) of the week)
Maintenance Hanger North	JP8	500 Bowser	350	Checked/emptied every Monday
Maintenance Hanger South	JP8	500 Bowser	350	Checked/emptied every Wednesday
Fuel Fillstand Collection Points	JP8	4/55 Gal Drums	100	As Required
Bulk Storage Stripping Tank	JP8	1000 Tank	500	Checked/emptied first Tues of the month

(1) Provide as much detail as possible. See maps provided under Appendix F for exact location of the pick up points.
(2) Grade of product normally handled at a specific location. Mixing with other products should be minimal.
(3) The (average) quantity collected each time the tank is emptied.

◊ Requirement: The Contractor shall maintain and use JP8 recycling equipment so as to ensure customer support, i.e., product collection and disposal.

- ✓ The Contractor shall notify the COR immediately of any discrepancy or circumstance that may result in the inability to collect and properly process product.
- ✓

➢ Minimum Performance Standards:

- ✓ The recycling system inspected and serviceable by 0800 daily. Inspection documentation available.
- ✓ Vessels physically examined and products tested prior of collection.
- ✓ Product processed on receipt and disposed of (issued) as directed by the COR.
- ✓ Recyclable JP8 collection documentation one hundred percent complete and legible.
- ✓ Fuel servicing safety procedures and precautions observed.

C-2.7 Cryogenics Storage and Distribution Operations

Cryogenics storage and distribution operations in support of activities at NAS Meridian are defined as the receipt, storage, handling, and issue of cryogenic products, liquid oxygen (LOX) and liquid nitrogen (LN2), and gases to authorized customer. The Contractor shall be responsible for the physical handling of cryogenics products while the Government (AIMD) will perform quality surveillance testing and periodic maintenance (PM) requirements.

The Contractor shall staff and maintain cryogenic facilities and equipment as outlined in the most current version of OPNAVINST 4790.2 and referenced documents and guidance. The Contractor shall man and operate the cryogenic storage and distribution facility identified in Appendix A with qualified supervisors and operators as outlined in Section C-1.11 for the days and hours specified in Figure 1. The Contractor shall be responsible for product inventories, operator inspections and cleanliness of cryogenic systems, and the receipt, internal handling, and issue of products. The Contractor shall be responsible for the administrative/accounting functions and practices applicable to the efficient management of cryogenic storage and distribution operations, and the security of products and facilities under its control.

Figure 11: Workload Factors, Cryogenic Operations

Year	Product	Number of Receipts	Gallons Received	Number of Issues[2]	Gallons Issued
FY96	Liquid Oxygen (LOX)	19	73,000	Daily, Mon-Fri	73,919
FY97	"	13	52,000	Daily, Mon-Fri	50,626
FY98	"	12	48,000	Daily, Mon-Fri	51,506
FY99[1]	"	9	36,000	Daily, Mon-Fri	34,889
Total	"	53	209,000	Daily, Mon-Fri	210,940
FY96	Liquid Nitrogen (LN2)	4	8,000	Daily, Mon-Fri	7,637
FY97	"	3	6,000	Daily, Mon-Fri	5,895
FY98	"	3	6,000	Daily, Mon-Fri	6,025
FY99[1]	"	3	6,000	Issued Daily	5,020
Total	"	13	26,000	Daily, Mon-Fri	24,577

(1) Data current through end of July 1999.
(2) Cryogenics products are normally issued to customers daily, Monday through Friday, however, requests for weekend manning may be made.

The Contractor shall place orders for LOX/LN2 from the commercial vendor, via the COR. On delivery, the Contractor shall obtain all required samples and transport those samples to the AIMD Paraloft for quality surveillance testing. The Contractor shall maintain a log of samples drawn and submitted to AIMD for testing, and the test results. Copies of the test result forms shall be maintained on file and available to the COR on request for the duration of the contract.

The Contractor shall receive of products from the commercial vendor and in the issue cryogenic products, liquid and gas, to customer cryogenic carts, cylinders and cylinder carts, and medical cylinders on request.

The Contractor shall be responsible for the operational inspections of cryogenic storage and distribution systems and facilities. Operators shall inspect equipment, component, and facilities, make operator adjustments and repairs, and maintain cleanliness applicable to a LOX environment. Discrepancies beyond the scope of the inspection and operator maintenance program shall be documented and reported to the appropriate work center or agency via the COR. Grounds maintenance shall be accomplished as outlined in Section C-2.11.3.

On request from the maintenance activity at OLF Bravo Field, the Contractor shall transport a full LOX cart from the cryogenics facility at NAS Meridian to OLF Bravo Field and retrieve an empty LOX cart for return to NAS Meridian. The Contractor shall be responsible for providing a licensed vehicle operator and the appropriately sized and equipped vehicle to transporting cryogenic containers and products in accordance with applicable Federal, state and local laws, rules, and regulations regarding the transport of hazardous materials. One LOX cart is delivered to and retrieved from OLF Bravo Field approximately every 30 days.

As outlined in Section C-3.5, the Contractor shall provide uniforms appropriate to a LOX environment. The Contractor shall provide protective coveralls, cryogenic gloves, aprons, face shields, and safety shoes used during cryogenic handling..

◊ Requirement: The Contractor shall man and maintain cryogenic facilities and equipment to ensure customer support with specification cryogenic products for the hours specified.

- ✓ The Contractor shall notify the COR immediately of any discrepancy or issue that may result in the inability to issue products from the service station system.

➢ Minimum Performance Standards.

- ✓ Cryogenic system fully manned for the hours specified.
- ✓ Samples taken, logged, submitted, and test results filed.
- ✓ One hundred percent inventory accuracy.
- ✓ Documentation complete and legible. Forwarded to accounting by 0900 daily.
- ✓ Facility PM accomplished and cleanliness applicable to a LOX environment maintained.

C-2.8 Inventory

Inventory is defined as the physical measurement of products in terms of volume and temperature, the documentation of those measurements, and the conversion of observed measurements to standards recognized by the petroleum industry. The Contractor shall be responsible for the inventory of petroleum and cryogenic products held by or within facilities, equipment, tanks, and vehicles the responsibility of or under Contractor control. The Contractor shall provide accurate inventories of all products as outlined by DOD 4140.25, Bulk Petroleum Management Policy, NAVSUP Volume II, Supply Ashore, and other Navy regulations and local instructions.

Inventory documentation consisting of gauge, receipt and issue documents, and other forms, logs, and reports as may be used to compile, compute, and validate accurate product inventories shall be forwarded by the fuel accounting office by 0900 Monday through Friday. Weekend/holiday inventories and documentation shall be forwarded to the fuel accounting office on the first duty day following the weekend or holiday.

Fuel Automated System (FAS) modules, files, and records applicable to product inventories shall be updated daily.

Inventory documents for OLF Bravo Field shall be forwarded to the fuel accounting office at a time mutually agreed to by the COR and Contractor.

◊ Requirement: The Contractor shall fully account for all cryogenic products under its control.

- ✓ The Contractor shall establish inventory procedures agreeable to the Government.
- ✓ The Contractor shall fully document all inventories.
- ✓ Daily inventory forms shall be validated/signed by the Contract manager or his/her representative.

➢ Minimum Performance Standards:

- ✓ Documentation to the Fuel Division by 0900
- ✓ One hundred percent accuracy of inventory documentation.
- ✓ All documentation neat and legible.

C-2.9 Product Quality Surveillance

The Contractor shall prepare and maintain a Product Quality Surveillance Plan (PQSP) outlining policies and procedures to ensure products under the Contractor's care remain on specification at NAS Meridian and OLF Bravo Field. The PQSP shall include, but is not necessarily be limited to, product receipts, storage, and issue sampling, testing of samples, the disposition of samples taken, and documentation of the quality surveillance function. On acceptance, the PQS shall be incorporated into the contract. The COR will review the PQSP as necessary during the term of the contract and communicate the need for changes to the Contractor via NAVPETOFF and the DESC Contracting Officer.

No petroleum product shall be received or issued until product quality determinations and confirmation of conformance with specifications. Products shall be issued on a first-in, first-out basis unless otherwise specified or directed by the COR. Anytime product is received into a tank, regardless of source or reason, it shall be suspended from issue pending quality conformance sampling and notification of test results.

C-2.9.1 Sampling

The Contractor shall take all samples, i.e., receipt and transfer, weekly Type "C" for trucks, fillstands, and daily visual samples, and shall deliver those requiring analysis to the NAS Meridian fuel laboratory for testing. Sampling, shall be taken in accordance with the API Manual of Petroleum Measurement Standards (MPMS), Chapter 8, Section 1, Manual Sampling of Petroleum and Petroleum Products, as supplemented by local instructions. Local instructions will dictate the location of samples to be taken, the frequency, quantity, minimum tests required and sample retention procedures applicable to NAS Meridian.

C-2.9.2 Testing

The Contractor shall conduct all testing of all products within the limits and capabilities of the station fuel laboratory. Unless otherwise specified, fuel shall be tested, as required by MIL-HDBK-200G and NAVAIR 80T-109. Calibration of laboratory test equipment and the replacement of standards shall be conducted by the Contractor and shall be included in the PM plan. Personnel performing quality testing shall be trained and qualified as outlined in Section C-1.11.

Figure 12: Workload Factors, Quality Assurance

Quality Surveillance Sampling and Testing						
Total Samples[1]		Total Tests[2]				
		Visuals[3]	API Gravity	Particulate by	AEL Water	Flash Point
JP8	2240	2240	164	850	850	164
MUR	13	13	13	0	0	0
LS2	8	8	8	0	0	0
JP8 (Bravo)	516	516	115	250	250	115

(1) Total samples, by grade, for the past fiscal year to date.
(2) Tests on the various samples drawn.
(3) Visuals include visual inspection for particulate matter, free water, color, and appearance.

C-2.9.3 Record Keeping and Reports

The Contractor shall establish and maintain a filling system relevant to quality surveillance records and keep all such records in a neat, orderly manner. Historical product quality records shall be kept on file for the duration of the contract and be made available to the COR on request. All quality surveillance records and logs are the property of the Government.

C-2.16 Property Inventory and Accountability

At contract turnover, Section C-1.5, representatives of the Contractor and Government will conduct a joint inventory of all Government furnished facilities, systems, equipment, supplies, and other property to be furnished by the Government. They will jointly validate the list of facilities, fuel and cryogenic systems, and components listed in Appendix A and update the appendix as needed. They will also complete Appendix B to provide a complete inventory of all other Government furnished minor property. Both representatives will certify the completed appendices that will become a part of the contract.

The Government reserves the right to dispose of any unserviceable facilities, equipment, components, parts, materials, supplies, or other items furnished at any time during the contract. Items critical to the Contractor's performance of the contract will be replaced by the Government; however, the contractor may be tasked under Section C-4.0 to provide replacements items or procure repairs. Furthermore, the Government reserves the right to dispose of any unserviceable common use items such as office and rest area furniture, decorative pieces, and appliances such as coffee machines, microwave ovens, and refrigerators without replacement. Items provided as Contractor Furnished Equipment (CFE) shall be disposed of at the end of the Contract.

As outlined in Section I, Clause I114, the Contractor shall account for all properties, maintain records, and submit a report of Government Furnished Equipment/Property under Contractor custody annually, as of the anniversary of the contract. The report shall be forwarded to the COR not later than 30 days from the anniversary date each year of the contract. The Contractor's report shall provide a complete inventory of Government-furnished property under its custody. The Contractor shall identify all property received or disposed of since the preparation of the last inventory and provide copies of source documents, i. e., Contractor/vendors invoices, for each item of Government-furnished property. As applicable, Appendix A and B shall be updated by the Contractor.

C-2.17 Use of Government Facilities

The Contractor shall not permit or authorize personnel to store, repair, or care for personal property such as boats, motor vehicles, recreational vehicles, trailers, motorcycles, etc., on NAS Meridian property under Contractor control. Likewise, the Contractor shall not use station property, facilities, or buildings for the storage or repair of Contractor-owned vehicles and equipment not specified and required under this contract.

The parking of personal vehicles used for transportation to and from work will be permitted in designated vehicle parking areas during normal working hours.

C-3.2.2 Refuelers, General

Contractor provided refuelers (fuel-servicing trucks/trailers configured to issue filtered product, and defuel and filter product being returned to the cargo tank) shall meet the specifications outlined herein. The design and construction of new refuelers shall be such that the cargo tank meets DOT 406 specifications; however, cargo tanks built to MC 306 specifications are acceptable. Refueler components shall be applied in accordance with the most current edition of NFPA 407, Standards for Aircraft Fuel Servicing. Should a conflict between specifications arise, the more stringent requirement shall apply. All components, except the PTO drive mechanism and the tractor to trailer electrical, air, and hydraulic lines, shall be contiguous to the cargo tank/frame (semi-trailers), or the entire prime mover/refueler shall be a cargo motor tank. A hydraulic cooling system, if installed, may be tractor or trailer mounted. Regardless of the refueler/truck configuration, all connections, i.e., recirculation, bottom loading, defuel stub, overfill protection devices, grounds, deadman controls, or otherwise shall be located on the left, the drivers side, of the vehicle.

NOTE

Refuelers configured with permanently installed tank to tractor--tractor to tank product transfer hoses or belly hoses, will not be considered for use under this contract.

NOTE

This specification identifies the requirement for refuelers configured to defuel. How equipment is designated and used will be as mutually agreed upon by the Contractor and contracting activity.

C-3.2.2.1 Cargo Tank

All cargo tanks shall be constructed of aluminum or stainless steel. New tank construction shall conform to DOT 406 specifications as outlined in the CFR Title 49, Transportation; however, used cargo tanks constructed to MC 306 specifications are acceptable. Unless specified otherwise herein, the provisions of 49 CFR 178 and the most current subpart applicable to specification DOT 406 and MC 306 apply. Furthermore, all referenced guidelines for the construction, use of materials, inspections, certifications, marking, and stamping of cargo tanks or components thereof, also apply. The cargo tank shall be one compartment with the appropriate baffles. Each baffle shall be open at the baffle/tank top to allow venting between all baffled areas at the 600 GPM fill rate. Openings at the baffle bottom/tank floor shall allow the flow of lading to the tank suction point at the 300 GPM issue rate. The entire tank shall drain completely to a low point. The tank shall be designed so that all portions are accessible for inspection, cleaning, and maintenance. Each cargo tank shall be marked with a specification and nameplate as outlined in 49 CFR 178. In addition, 49 CFR, Part 180, Subpart A, General, and Subpart E, Qualification and Maintenance of Cargo Tanks shall apply.

NOTE

MC 302, 303, and 305 specification cargo tanks will not be considered under this contract.

C-3.2.2.1.1 Cargo Tank Capacity

Cargo tanks provided shall have a **minimum capacity of 8,000 gallons** plus the appropriate expansion space; however, at least one truck shall have a **maximum capacity of 5,000 gallons** plus the appropriate expansion space. Unless specified otherwise, cargo tanks shall be filled to capacity; however, adjustments to lading levels that will keep the entire unit, prime mover, tank or semi- trailer, and lading, within the size and weight standards outline in Section C-3.2.1, may be made during the equipment inspection undertaken per Section C-3.3.2. Efforts to minimized lading, i.e., 6,000 gallons in an 8,000-gallon cargo tank, to accommodate smaller or undersized power units will not be excepted.

Except for procurements of $2,500 or less, a minimum of three quotes (verbal or written) shall be obtained. The award shall be to the lowest, responsible, responsive bidder. Regardless of dollar value or urgency, the Contractor shall withhold award until it has determined that the price is fair and reasonable. Documentation regarding this determination shall be included in the task order file.

The Contractor shall procure materials and services at the most advantageous prices with due regard for prompt delivery, credits, and other benefits. The Contractor shall take all actions necessary to obtain applicable tax exemptions, reductions, and refunds. Reimbursement shall be for net cost after taking discounts, rebates, allowances, credits, tax exemptions, reductions and refunds and other benefits, any or all of which shall be fully documented.

C-4.2.2 Maintenance and Repair

The Contractor may be directed by the COR to provide and/or may report to the Government the need for maintenance and repair services beyond the scope of preventive and operator maintenance outlined within this contract. On notification of a requirement to perform a specific maintenance task or reporting such a requirement to the Government and being directed to perform, the Contractor shall:

Provide a complete written description of the deficiency or the nature of the wear, breakage, or damage to the system needing repairs. This document should include a description of the system requiring maintenance or repairs, the specific components needing repair, replacement, or adjustment, and a preliminary list of parts and materials required.

Determine whether the work will be accomplished in house (by the Contractor) or be subcontracted.

If the work is to be accomplished in house, provide a complete list of parts, components, materials, and equipment not provided under the contract, the source of supply, and an itemized cost breakdown to include labor, if applicable or allowed. Also establish a performance period or get well date.

If to be accomplished by subcontract, provide the cost estimates as outline in Section C-4.2.1 above. As with an in house estimate, all subcontractor estimates should include a complete list of parts, components, materials, equipment, and labor, and an itemized cost breakdown thereof. Any subcontract should also establish the performance period or get well date.

The Government will determine the availability of and provide funding.

Given the approval to proceed, the Government will provide a written task order. The Contractor shall take no action to perform maintenance or repairs until such time a written task order has been provided by the COR.

C-4.3 Augmentation

Augmentation is defined as compensation for specified work outside the normal workload of the contract for which drivers and system operators are retained beyond normal duty hours or called to duty to supplement the normal workforce.

NAS Meridian instructions specify [indicates an instruction has or will be written] the person(s), position, or office authorized to approve augmentation and the means by which the approval will be documented. Except as provided herein, all augmentation shall be approved prior to retaining employees or calling additional personnel to work. All invoices for augmentation shall be supported by copies of the augmentation approval form/log, the dispatch log validating the circumstances for augmentation, and the individual(s) time card that shows the hours worked. Extended hours for personnel such as mechanics, accountants, and administrative personnel do not qualify as augmentation. Failure to relieve personnel at the end of a normal shift for which there are available oncoming personnel or because scheduled personnel fail to show shall not be considered augmentation time. In addition, the call to duty or retention of personnel so that specially licensed operators, i.e., a CDL holder, can undertake an infrequent but contracted function shall not constitute augmentation.

Augmentation will be granted under the following conditions. Each paragraph is coded (A) to indicate automatic approval within the parameters defined or (P) to indicated pre-approval is required.

Facility	Item/Component Description (Item, manufacture, size, rating, and other descriptive information)[1]	Qty	PM[2]
014	Tank, MUR, 10,000 Gallon, Phoenix Products, Inc. Envirovault	1	W
	Valve, Flow Control with Pilot, Smith, 3"	1	Q
	Pump/Motor (Issue), Red Jacket, 1.5 HP	1	Q
	Valve, Check, Dubugque, 3"	1	Q
	Meter, Liquid Control	1	S
	Counter, Veeder-Root	1	S
	Valve, Plug, WGB, 3"	1	Q
	Valve, Plug, Muller, 4"	1	Q
	Valve, Check, Watts, 4"	1	Q
	Pump, Gorman Rupp, Centrifugal	1	Q
	Motor, Baldor, 5 HP	1	Q
	Valve, Flow Control with Pilot, ACV, 4"	1	Q
	Loading Arm, OPW with 6" commercial coupler	1	M
	Deadman Control	1	Q
	Dispenser/Meter Assembly, Tuthill	1	S
	Filter, 15 GPM	1	C
	Hose Assembly, Dayco, ¾" X 12'	1	A
	Nozzle, Service Station Type, OPW	1	M
014	Tank, LS2, 10,000 Gallon, Phoenix Products, Inc. Envirovault	1	W
	Valve, Flow Control with Pilot, Smith, 4"	1	Q
	Pump/Motor (Issue), Red Jacket, 5 HP	1	Q
	Valve, Check, Dubugque, 4"	1	Q
	Meter, Liquid Control	1	S
	Counter, Veeder-Root	1	S
	Valve, Plug, Muller, 4"	2	Q
	Valve, Check, Watts, 4"	1	Q
	Pump, Gorman Rupp, Centrifugal	1	Q
	Motor, Baldor, 15 HP	1	Q
	Valve, Flow Control with Pilot, Smith, 4"	1	Q
	Loading Arm, OPW with 6" commercial coupler	1	M
	Dispenser/Meter Assembly, Tuthill	1	S
	Filter, 15 GPM	1	C
	Hose Assembly, Dayco, ¾" X 12'	1	A
	Nozzle, Service Station Type, OPW	1	M
	Tank, JP8, 2,000 Gallon (Stripping/Sample Recovery)	1	W
	Pump, Roper (Suction/Discharge)	1	Q
	Reduction Gear	1	Q
	Motor, Baldor, 5 HP	1	Q
	Valve, Gate, Morrison, 2"	6	Q
	Hose Assembly, 2" X 12' with quick disconnect fittings (Suction /Discharge)	1	A
	Pantograph, Gammon Technical, 2 X 10'	1	M
	Emergency Dry Break Away Couple, Aeroquip	1	Q
	Hose Assembly, 4" X 10'	1	A
	Couple, Quick Disconnect, Aeroquip	1	Q
	Hose End Pressure Regulator, Carter, 55 PSI	1	C
	Nozzle, Carter	1	M

Facility	Item/Component Description (Item, manufacture, size, rating, and other descriptive information)[1]	Qty	PM[2]
004	Cryogenic Office/Shop Building,	800 SF	C
	Shop	475 SF	C
	Office, Ulility Room	285	C
	Head	40 SF	C
	Tank, Liquid Oxygen, 1,000 Gallon Vertical	1	C
	Tank, Liquid Oxygen, 2,000 Gallon Vertical	3	C
	Gauge, LN2 Tank 1, Goodard, 0-200	1	C
	Tank, Liquid Nitrogen, 1,000 Gallon Vertical	1	C
	Tank, Liquid Nitrogen, 2,000 Gallon Vertical	1	C
	Gauge, LOX Tank 4, Goodard, 0-200	1	C
	Heat Exchanger	2	C
	Manifold, Nitrogen Gas, 7 Valve	1	C
	Gauge, Pressure, Danton 0-10000 PSI	1	C
	Manifold, Oxygen Gas, 7 Valve	1	C
	Gauge, Pressure, Danton 0-10000 PSI	1	C
	Shower & Eye Wash Station	1	W
	OLF Joe Williams (Bravo) Field		
100	Operations Building (Fuel contractor has two rooms within)	1	C
	Fuel Laboratory, 12' X 14'	140 SF	C
	Shower/Eyewash Station (Outside main door)	1	W
	Fuel Office, 12' X 14'	140 SF	C
108	Bulk Receipt/Issue Facility	1	C
	Filter Separator, 300 GPM	1	D
	Gauge, Pressure Differential	1	A
	Gauge Pressure	1	A
	Pump Motor, 20 HP	2	Q
	Pump, 150 GPM	2	Q
	Gauge Pressure	4	A
	Valve, 4" Flow Control	3	Q
	Strainer	3	M
	Valve, 4" Muller Plug	8	Q
	Valve, 4" Crane Gate	2	Q
	Shower/Eyewash Station	1	W
122	Tank, JP-5, 10,000 Gallon Aboveground Horizontal Cylindrical	3	W
	Valve, 4" Flow Control	3	Q
	Valve, 4" Muller Plug	9	Q
	Valve, 4" Crane Gate	3	Q
	Alarm, High Level (Audio/Visual)	3	Q
	Valve, 4" Crane Gate (Berm Drain)	3	Q

Appendix B: Government Equipment, Supplies, and Services

GOVERNMENT EQUIPMENT, SUPPLIES, AND SERVICES: In addition to the facilities and components listed in Appendix A, the Government will provide the following equipment, supplies, and services.

Fire Suppression Equipment: Except for Contractor furnished extinguishers mounted on fuel servicing trucks, all fire suppression equipment, i.e., fire extinguishers or portable/installed fire suppression equipment, will be provided, repaired, overhauled, and as necessary, replaced by the Government. The quantity and type of fire suppression equipment on station within the Fuel Management facilities will be established by the Government.

Telephone Services: The Government will provide telephone services, i.e., commercial, DSN, and on-station emergency lines, Local Area Network (LAN) connections (if applicable), and equipment required and necessary to conduct official Government business, i.e., FAS, DFAMS, in buildings 031, the Contractors office and dispatch center, 014, the bulk storage office, and 004, cryogenics. See Section C-3.3 regarding Contractor-furnished telephones services.

Utilities: Electricity, natural gas/propane, heating/power production fuels, water, and sewage as required for the health and welfare of contract personnel that occupy facilities provided by the Government and prefabricated structures provided by the Contractor under Section C-3.2.6.

Fuels Products: Limited to the products stocked and issued, the Government will furnish fuel for the operation of the Contractor's trucks/tractors identified as fuel servicing equipment. Fuel for utility/administrative vehicles (pick ups and vans) will be provided by the Contractor.

Materiel Safety Data Sheets (MSDS): The Government will provide the appropriate MSDS for those compounds furnished by the Government.

The following additional property will be provided by the Government. See Section C-2.16 regarding property accountability.

Facility	Item/Component Description (Item, manufacture, size, rating, and other descriptive information)(1)	Qty	PM
	Fuels Automated System (FAS) Computer, Compaq DeshPro	1	C
	Monitor, Color, V70	1	C
	Laboratory Equipment		C
	Combined Contaminated Fuel Monitor (CCFD)	1	S
	Flash Point Tester, Penskey Martin, Closed Cup	1	S
	B-2 FSII Test Kit (Compete)	1	C
	Cryogenic System Equipment		
	Cryogenic Sampler Model FSC 2000, Serial #0562	1	C
	Tools, Non-Sparking in Tool Cabinet	1	C
	OLF Joe Williams (Bravo) Field		
	Fuels Automated System (FAS) Computer, Compaq DeshPro	1	C
	Monitor, Color, V70	1	C
	Laboratory Equipment		C
	Fume Hood, Hemco	1	C
	Combined Contaminated Fuel Monitor (CCFD)	1	S
	Flash Point Tester, Penskey Martin, Closed Cup	1	S
	B-2 FSII Test Kit (Compete)	1	C

See the notes that follow Appendix A. PM applicable only the items marked.